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PATENT

Atty. Docket: 0100024/0532135

#3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Peter R. Chang et al.

: Paper No:

Serial No. 10/528,877

: Group Art Unit:

Filed:

: Examiner:

For: EXTRACTION, PURIFICATION AND CONVERSION OF FLAVONOIDS FROM  
PLANT BIOMASS

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, Applicant herewith submits certain patent references and other information, which the Patent & Trademark Office may wish to consider in examining the above-identified application. The references are listed below, and are also listed on the attached Form PTO-1449.

U.S. Patent Documents	Publication Date	Patentee/Applicant
US- 3,382,475	08-28-1974	Zirlin
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Foreign Patent Documents	Publication Date	Patentee/Applicant
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Copies are provided of foreign patent reference and non-patent literature documents. A copy of the International Search Report from corresponding PCT Application PCT/CA03/01453 is enclosed for the Examiner's convenience. No representation is made or intended that a prior art search has been made or that no better art than the listed is available. It is respectfully requested that the information be considered by the Examiner and made of record in the present application.

**CERTIFICATE OF MAILING**


I hereby certify that a copy of this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

July 18, 2005  
Sarah Abraham  
Sarah Abraham

18 July, 2005

Respectfully submitted,

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Substitute for Form PTO 1449

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*Complete if Known*

(use as many sheets as necessary)

Application No. 10/528,877  
Filing Date  
First Named Inventor Chang, Peter R.  
Art Unit  
Examiner Name  
Attorney Docket No. 0100024/0532135

Sheet 1 of 4

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	DOCUMENT NUMBER	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind code <sup>2</sup> (if known)			
		US- 3,382,475	08-28-1974	Zirlin	
		US- 5,122,381	06-16-1992	Nishimura et al.	
		US- 5,145,781	09-08-1992	Suzuki et al.	
		US- 5,565,435	10-15-1996	Yoneyama et al.	

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Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind code <sup>5</sup> (if known)				
		WO 00-026400	05-11-2000	Merck Patent GmbH	p. p 13-15	✓
		WO 01-51482	07-19-2001	Biorex Health Ltd.	p. 6, claim 27	
		WO 01-59143	08-16-2001	Merck Patent GmbH	p. 3, 8, 30, claims 1-4	✓
		CN 1160048	09-24-1997	Zhai Guangyu		Ab.
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		EP 0 420 376	03-13-1996	"		
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		JP 04066098	03-02-1992	San-Ei Kagaku Kogyo		Ab.
		JP 6014746	01-25-1994	Omiya Yakugyo; Ito Midori		Ab.

EXAMINER SIGNATURE \_\_\_\_\_ DATE CONSIDERED \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for Form PTO 1449			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		<b>Application No.</b>	10/528,877
		<b>Filing Date</b>	
		<b>First Named Inventor</b>	Chang, Peter R.
		<b>Art Unit</b>	
		<b>Examiner Name</b>	
<b>Sheet</b>	2	01 00	4
		<b>Attorney Docket No.</b>	10872/0527117

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	SU 904709	02-15-1982	Sechnov, I.M. Medical Institute		Ab
	CN 1160048	09-24-1997	Peopl. Rep. China		Ab.
	CN 1217329	05-26-1999	Huo Xingling		Ab.

**OTHER REFERENCES – NON PATENT LITERATURE DOCUMENTS**

Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
		GRIFFITH, JR., J. et al., Effect of rutin on increased capillary fragility in man, Proc. Soc. Exptl. Biol. Med., 1944, vol. 55, pp 228-229	
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